**AMENDMENT TRANSMITTAL LETTER**Docket No.
IIW-016Application No.
10/056720-Conf. #2117Filing Date
January 24, 2002Examiner
S. N. Tsang FosterArt Unit
1745Applicant(s): Tomoki KOBAYASHI *et al.*

Invention: APPARATUS, MECHANISM AND PROCESS FOR WARMING-UP FUEL CELL

TO THE COMMISSIONER FOR PATENTS


Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims	18	- 20 =		x	0.00
Independent Claims	3	- 3 =		x	0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): Extension for response within third month					950.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					950.00

☒ Large Entity☐ Small Entity.☐ No additional fee is required for this amendment.☒ Please charge Deposit Account No. 12-0080 in the amount of \$ 950.00

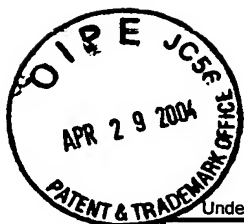
A duplicate copy of this sheet is enclosed.

☐ A check in the amount of \$ _____ to cover the filing fee is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge and credit Deposit Account No. 12-0080 as described below. A duplicate copy of this sheet is enclosed.☒ Credit any overpayment.☒ Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.
Anthony A. Laurentano
Attorney Reg. No.: 38,220Dated: April 29, 2004LAHIVE & COCKFIELD, LLP
28 State Street
Boston, Massachusetts 02109
(617) 227-7400

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV378821069US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: April 29, 2004

Signature:  (Anthony A. Laurentano)



PTO/SB/17 (10-03)
Approved for use through 7/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 950.00

Complete if Known

Application Number	10/056720-Conf. #2117
Filing Date	January 24, 2002
First Named Inventor	Tomoki KOBAYASHI
Examiner Name	S. N. Tsang Foster
Art Unit	1745
Attorney Docket No.	IIW-016

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number

12-0080

Deposit
Account
Name

Lahive & Cockfield, LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Fee Fee Fee

Code (\$) Code (\$) Code (\$) Code (\$)

1001 770 2001 385

1002 340 2002 170

1003 530 2003 265

1004 770 2004 385

1005 160 2005 80

Fee Description

Fee Paid

Utility filing fee

Design filing fee

Plant filing fee

Reissue filing fee

Provisional filing fee

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims 18 -20** =

Independent Claims 3 -3** =

Multiple Dependent

Extra Claims Fee from below Fee Paid

Large Entity Small Entity

Fee Fee Fee Fee

Code (\$) Code (\$) Code (\$) Code (\$)

1202 18 2202 9

1201 86 2201 43

1203 290 2203 145

1204 86 2204 43

1205 18 2205 9

Fee Description

Claims in excess of 20

Independent claims in excess of 3

Multiple dependent claim, if not paid

** Reissue independent claims over original patent

** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater, For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Fee Fee Fee

Code (\$) Code (\$) Code (\$) Code (\$)

1051 130 2051 65

1052 50 2052 25

1053 130 2053 130

1812 2,520 2520 2,520

1804 920* 2401 165

1805 1,840* 2402 165

1251 110 2251 55

1252 420 2252 210

1253 950 2253 475

1254 1,480 2254 740

1255 2,010 2255 1,005

1401 330 2401 165

1402 330 2402 165

1403 290 2403 145

1451 1,510 2451 1,510

1452 110 2452 55

1453 1,330 2453 665

1501 1,330 2501 665

1502 480 2502 240

1503 640 2503 320

1460 130 2460 130

1807 50 2807 50

1806 180 2806 180

8021 40 8021 40

1809 770 2809 385

1810 770 2810 385

1801 770 2801 385

1802 900 2802 900

Fee Description

Surcharge - late filing fee or oath

Surcharge - late provisional filing fee or cover sheet.

Non-English specification

For filing a request for *ex parte* reexamination

Requesting publication of SIR prior to Examiner action

Requesting publication of SIR after Examiner action

Extension for reply within first month

Extension for reply within second month

Extension for reply within third month

Extension for reply within fourth month

Extension for reply within fifth month

Notice of Appeal

Filing a brief in support of an appeal

Request for oral hearing

Petition to institute a public use proceeding

Petition to revive - unavoidable

Petition to revive - unintentional

Utility issue fee (or reissue)

Design issue fee

Plant issue fee

Petitions to the Commissioner

Processing fee under 37 CFR 1.17(q)

Submission of Information Disclosure Stmt

Recording each patent assignment per property (times number of properties)

Filing a submission after final rejection (37 CFR 1.129(a))

For each additional invention to be examined (37CFR 1.129(b))

Request for Continued Examination (RCE)

Request for expedited examination of a design application

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 950.00

SUBMITTED BY

Name (Print/Type) Anthony A. Laurentano

Registration No. (Attorney/Agent)

38,220

(Complete if applicable)

Telephone (617) 227-7400

Signature

Anthony A. Laurentano

Date April 29, 2004

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Dated: April 29, 2004

Signature:

Anthony A. Laurentano

(Anthony A. Laurentano)

5-3-04 41

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Dated: April 29, 2004

Signature:

(Anthony A. Lauretano)

1745
\$

Docket No.: IIW-016
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Patent Application of:
Tomoki Kobayashi *et al.*

Application No.: 10/056720

Art Unit: 1745

Filed: January 24, 2002

Examiner: S. N. Tsang Foster

For: APPARATUS, MECHANISM AND PROCESS
FOR WARMING-UP FUEL CELL

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated October 30, 2003 (Paper No. 3), the response period of which is extended to April 30, 2004 by the accompanying Request for Extension of Time, please amend the above-identified U.S. patent application as follows:

Amendments to the Specification begin on page 2 of this paper, and include both a clean version and a marked-up version of a substitute specification.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Amendments to the Drawings begin on page 7 of this paper and include both attached replacement sheets and annotated sheets showing changes.

Amendments to the Abstract begin on page 8 of this paper.

Remarks/Arguments begin on page 9 of this paper.

Appendices A-G are attached following page 14 of this paper. **Appendix A** includes a clean version of the substitute specification. **Appendix B** includes a redline version of the substitute specification showing changes made. **Appendix C** includes a clean version of amended drawing Figures 3, 9 and 12. **Appendix D** includes a redline version of the amended drawing showing changes made. **Appendix E** includes a document reciting the well-known pressure range and definition for high-pressure gas. The document of Appendix E includes an English translation of text obtained from the Japanese website for the Engineering Advancement Association for Japan, at www.ena.or.jp. **Appendix F** is a certified English translation of the priority document (JP 2001-016523) for the present application. **Appendix G** is an English translation of the JP 60-68 reference.